

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/013178

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D471/04 A61K31/435 A61P35/00
/(C07D471/04, 235:00, 221:00)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/46188 A (3M INNOVATIVE PROPERTIES COMPANY; CROOKS, STEPHEN L; GRIESGRABER, GEOR) 13 June 2002 (2002-06-13) the whole document	1-15
A	US 5 605 899 A (GERSTER JOHN F 'US! ET AL) 25 February 1997 (1997-02-25) the whole document	1-15
A	US 6 331 539 B1 (CROOKS STEPHEN L ET AL) 18 December 2001 (2001-12-18) the whole document	1-15
A	EP 1 256 582 A (HOKURIKU SEIYAKU CO., LTD) 13 November 2002 (2002-11-13) the whole document	1-15
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *&* document member of the same patent family

Date of the actual completion of the International search

7 March 2005

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16/03/2005

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INTERNATIONAL SEARCH REPORT

Intnal Application No
PCT/EP2004/013178

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 104 764 A (HOKURIKU SEIYAKU CO., LTD) 6 June 2001 (2001-06-06) the whole document	1-15
A	EP 0 389 302 A (RIKER LABORATORIES, INC) 26 September 1990 (1990-09-26) the whole document	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013178

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0246188	A	13-06-2002	AU 3061802 A	18-06-2002
			AU 3248202 A	18-06-2002
			AU 3249702 A	18-06-2002
			AU 3951602 A	18-06-2002
			AU 3951702 A	18-06-2002
			AU 3953002 A	18-06-2002
			BR 0116026 A	21-12-2004
			BR 0116047 A	30-09-2003
			CA 2430844 A1	13-06-2002
			CA 2431151 A1	13-06-2002
			CA 2436846 A1	13-06-2002
			CA 2436980 A1	13-06-2002
			CA 2436983 A1	13-06-2002
			CA 2436984 A1	13-06-2002
			CN 1479738 A	03-03-2004
			CN 1487939 A	07-04-2004
			CN 1479739 A	03-03-2004
			CZ 20031560 A3	12-05-2004
			CZ 20031561 A3	14-04-2004
			CZ 20031562 A3	17-03-2004
			CZ 20031563 A3	18-02-2004
			CZ 20031591 A3	12-11-2003
			CZ 20031592 A3	14-01-2004
			EE 200300268 A	15-10-2003
			EE 200300270 A	15-10-2003
			EE 200300271 A	15-10-2003
			EE 200300272 A	15-10-2003
			EE 200300274 A	15-10-2003
			EE 200300275 A	15-10-2003
			EP 1341789 A2	10-09-2003
			EP 1341790 A2	10-09-2003
			EP 1341791 A2	10-09-2003
			EP 1339715 A2	03-09-2003
			EP 1341792 A2	10-09-2003
			EP 1343784 A2	17-09-2003
			HR 20030461 A2	30-06-2004
			HR 20030462 A2	30-04-2004
			HR 20030463 A2	30-04-2004
			HR 20030464 A2	30-06-2004
			HR 20030466 A2	30-06-2004
			HR 20030467 A2	30-04-2004
			HU 0400704 A2	28-06-2004
			HU 0400710 A2	28-06-2004
			JP 2004532810 T	28-10-2004
US 5605899	A	25-02-1997	US 5389640 A	14-02-1995
			US 5977366 A	02-11-1999
			US 2003119861 A1	26-06-2003
			US 6348462 B1	19-02-2002
			US 2003212270 A1	13-11-2003
			US 2004122231 A1	24-06-2004
			US 5741909 A	21-04-1998
			US 2002115861 A1	22-08-2002
			AT 179711 T	15-05-1999
			AT 229943 T	15-01-2003
			AU 658621 B2	27-04-1995
			AU 1566992 A	06-10-1992
			AU 673309 B2	31-10-1996

INTERNATIONAL SEARCH REPORT

information on patent family members

Int - 1st Application No

PCT/EP2004/013178

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 5605899	A	AU 2715795 A	21-09-1995	
		CA 2104782 A1	02-09-1992	
		CA 2289219 A1	02-09-1992	
		CZ 9301788 A3	18-10-1995	
		DE 69229114 D1	10-06-1999	
		DE 69229114 T2	04-11-1999	
		DE 69232878 D1	30-01-2003	
		DE 69232878 T2	20-11-2003	
		DK 582581 T3	08-11-1999	
		DK 872478 T3	31-03-2003	
		EP 0582581 A1	16-02-1994	
		EP 0872478 A2	21-10-1998	
		ES 2131070 T3	16-07-1999	
		ES 2186034 T3	01-05-2003	
		HU 67026 A2	30-01-1995	
		HU 211242 B3	28-11-1995	
		HU 220667 B1	29-04-2002	
		HU 222247 B1	28-05-2003	
		HU 222251 B1	28-05-2003	
		HU 222250 B1	28-05-2003	
		IE 920605 A1	09-09-1992	
		IE 990988 A1	13-12-2000	
		IL 101110 A	08-12-1995	
		IL 114570 A	31-10-1996	
		JP 2955019 B2	04-10-1999	
		JP 6504789 T	02-06-1994	
		KR 235389 B1	15-12-1999	
		NO 933069 A	01-11-1993	
		NZ 241784 A	27-06-1995	
		PH 31614 A	12-01-1999	
		SG 46492 A1	20-02-1998	
		SG 70625 A1	22-02-2000	
		WO 9215582 A1	17-09-1992	
		ZA 9201540 A	25-11-1992	
US 6331539	B1	18-12-2001	AU 772179 B2	08-04-2004
			AU 5328400 A	02-01-2001
			BR 0011433 A	05-03-2002
			CA 2376305 A1	21-12-2000
			CN 1354663 A	19-06-2002
			CZ 20014363 A3	13-03-2002
			EE 200100669 A	17-02-2003
			EP 1198233 A1	24-04-2002
			HR 20010890 A1	31-08-2003
			HU 0201431 A2	28-08-2002
			JP 2003501474 T	14-01-2003
			MX PA01012547 A	14-10-2003
			NO 20015502 A	07-02-2002
			NZ 515967 A	31-10-2003
			PL 352554 A1	25-08-2003
			SK 17922001 A3	04-04-2002
			TR 200103575 T2	21-06-2002
			WO 0076519 A1	21-12-2000
			US 2004029877 A1	12-02-2004
			US 2003130299 A1	10-07-2003
			US 2004204438 A1	14-10-2004
			AU 766565 B2	16-10-2003
			AU 5328100 A	02-01-2001

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013178

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 6331539	B1	AU 773113 B2	20-05-2004	
		AU 6334900 A	02-01-2001	
		BR 0011448 A	14-12-2004	
		BR 0014214 A	08-09-2004	
		CA 2376296 A1	21-12-2000	
		CA 2376304 A1	21-12-2000	
		CN 1353609 A	12-06-2002	
		CN 1355701 A	26-06-2002	
		CZ 20014364 A3	13-03-2002	
		EE 200100668 A	17-02-2003	
		EE 200100670 A	17-02-2003	
		EP 1198232 A1	24-04-2002	
		EP 1187613 A1	20-03-2002	
		EP 1438958 A1	21-07-2004	
		HR 20010888 A1	31-08-2003	
		HR 20010889 A1	31-08-2003	
		HU 0201664 A2	28-08-2002	
		HU 0202254 A2	28-10-2002	
		JP 2003501466 T	14-01-2003	
		JP 2003501473 T	14-01-2003	
		MX PA01012508 A	02-07-2002	
		NO 20015503 A	08-02-2002	
		NO 20015504 A	07-02-2002	
EP 1256582	A	13-11-2002	AU 3058401 A	20-08-2001
			BG 107067 A	30-09-2003
			BR 0108303 A	05-03-2003
			CA 2399136 A1	16-08-2001
			EP 1256582 A1	13-11-2002
			HU 0204474 A2	28-04-2003
			MX PA02007525 A	13-12-2002
			NO 20023750 A	07-10-2002
			SK 11202002 A3	04-03-2003
			US 2004054182 A1	18-03-2004
			CN 1422269 A	04-06-2003
			CZ 20022626 A3	12-02-2003
			WO 0158900 A1	16-08-2001
			JP 2002161095 A	04-06-2002
			PL 355866 A1	31-05-2004
			ZA 200206698 A	21-08-2003
EP 1104764	A	06-06-2001	JP 2000119271 A	25-04-2000
			AU 744388 B2	21-02-2002
			AU 5197499 A	06-03-2000
			BG 105271 A	30-11-2001
			BR 9914306 A	21-05-2002
			CA 2339562 A1	24-02-2000
			EP 1104764 A1	06-06-2001
			HR 20010144 A1	30-04-2002
			HU 0103406 A2	28-02-2002
			NO 20010676 A	10-04-2001
			NZ 509939 A	28-08-2002
			PL 346155 A1	28-01-2002
			SK 1942001 A3	03-12-2001
			US 6518265 B1	11-02-2003
			CN 1323307 A	21-11-2001
			CZ 20010503 A3	14-11-2001
			WO 0009506 A1	24-02-2000

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013178

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1104764	A	TR 200100439 T2	21-05-2001
		TW 533209 B	21-05-2003
		ZA 200101452 A	17-09-2001
EP 0389302	A	26-09-1990	
		US 4929624 A	29-05-1990
		AU 632099 B2	17-12-1992
		AU 5142690 A	27-09-1990
		CA 2012226 A1	23-09-1990
		CS 9103906 A3	17-06-1992
		DE 69011914 D1	06-10-1994
		DE 69011914 T2	23-03-1995
		EP 0389302 A1	26-09-1990
		ES 2060026 T3	16-11-1994
		JP 2942584 B2	30-08-1999
		JP 3027381 A	05-02-1991
		KR 180226 B1	20-03-1999
		US 5037986 A	06-08-1991